

National Transportation Safety Board
Washington, DC 20594

Printed on : 10/09/2014 09:15:13 PM

Brief of Accident

Adopted 06/11/1990

| | | | | | | | | | |
|--|--|------------|--|-------------|--|--|--|-------------------------|--|
| FTW88LA108 | | 05/23/1988 | | ROANOKE ,TX | | Aircraft Reg No. N52119 | | Time (Local): 09:30 CDT | |
| File No. 2416 | | | | | | | | | |
| Make/Model: Cessna/172P | | | | | | Fatal | | Serious | |
| Engine Make/Model: Lycoming / O-320-D23 | | | | | | Crew | | Minor/None | |
| Aircraft Damage: Substantial | | | | | | 0 | | 0 | |
| Number of Engines: 1 | | | | | | Pass | | 1 | |
| Operating Certificate(s): None | | | | | | 0 | | 0 | |
| Type of Flight Operation: Instructional | | | | | | | | | |
| Reg. Flight Conducted Under: Part 91: General Aviation | | | | | | | | | |
| | | | | | | | | | |
| Last Depart. Point: Same as Accident/Incident Location | | | | | | Condition of Light: Day | | | |
| Destination: Local Flight | | | | | | Weather Info Src: Weather Observation Facility | | | |
| Airport Proximity: On Airport/Airstrip | | | | | | Basic Weather: Visual Conditions | | | |
| Airport Name: AERO VALLEY | | | | | | Lowest Ceiling: None | | | |
| Runway Identification: 35 | | | | | | Visibility: 15.00 SM | | | |
| Runway Length/Width (Ft): 3500 / 40 | | | | | | Wind Dir/Speed: 310 / 014 kts | | | |
| Runway Surface: Asphalt | | | | | | Temperature (°C): 22 | | | |
| Runway Surface Condition: Dry | | | | | | Precip/Obscuration: | | | |
| | | | | | | | | | |
| Pilot-in-Command | | Age: 42 | | | | Flight Time (Hours) | | | |
| Certificate(s)/Rating(s) | | | | | | Total All Aircraft: 48 | | | |
| Student | | | | | | Last 90 Days: 48 | | | |
| | | | | | | Total Make/Model: 6 | | | |
| Instrument Ratings | | | | | | Total Instrument Time: UnK/Nr | | | |
| None | | | | | | | | | |

*** Note: NTSB investigators may not have traveled in support of this investigation and used data provided by various sources to prepare this aircraft accident report. ***

THE STUDENT PILOT WAS DEPARTING FROM RUNWAY 35 ON A LOCAL SOLO INSTRUCTIONAL FLIGHT, WHEN AT LIFTOFF, THE AIRCRAFT WEATHERVANED INTO THE GUSTING CROSSWIND. THE AIRCRAFT DROPPED ONTO THE GROUND, SWERVED OFF THE RUNWAY, AND FLIPPED OVER AFTER IMPACTING A GRAVEL PILE.

Brief of Accident (Continued)

FTW88LA108

File No. 2416

05/23/1988

ROANOKE ,TX

Aircraft Reg No. N52119

Time (Local): 09:30 CDT

Occurrence #1: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
2. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT

Phase of Operation: OTHER

Occurrence #4: NOSE OVER

Phase of Operation: OTHER

Findings Legend: (C) = Cause, (F) = Factor

The National Transportation Safety Board determines the probable cause(s) of this accident as follows:
THE STUDENT PILOT FAILED TO MAINTAIN DIRECTIONAL YAW AXIS CONTROL OF THE AIRCRAFT DURING THE CROSSWIND TAKE OFF.